

FIG. 1

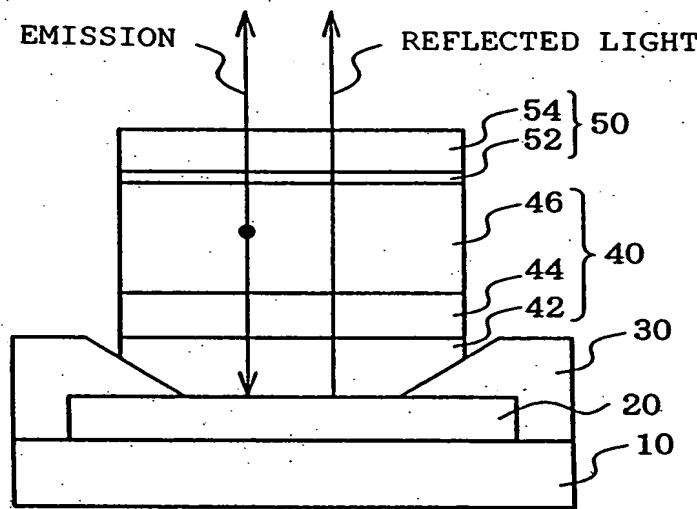


FIG. 2

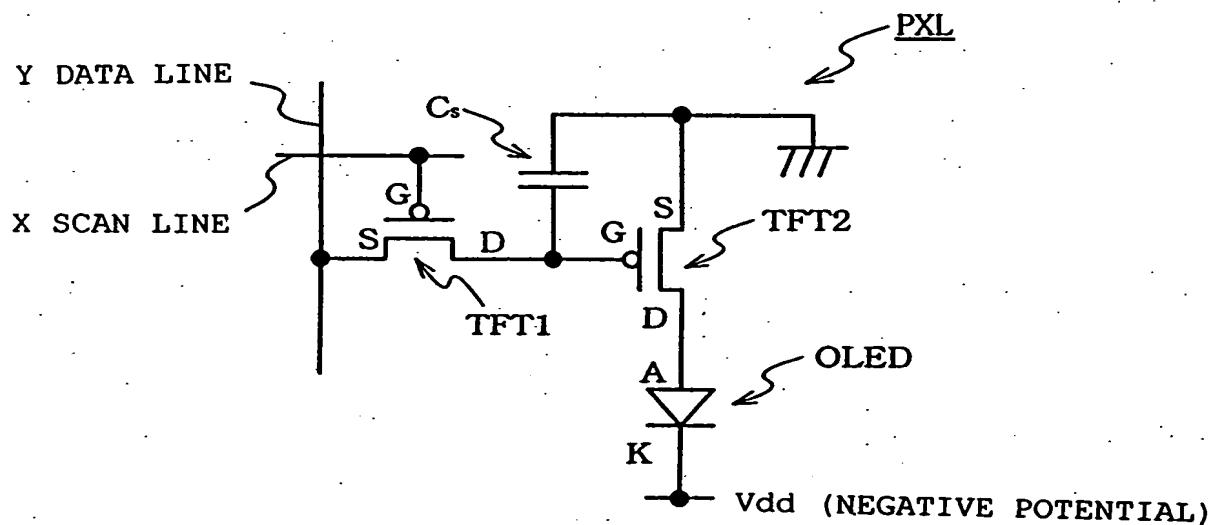


FIG. 3

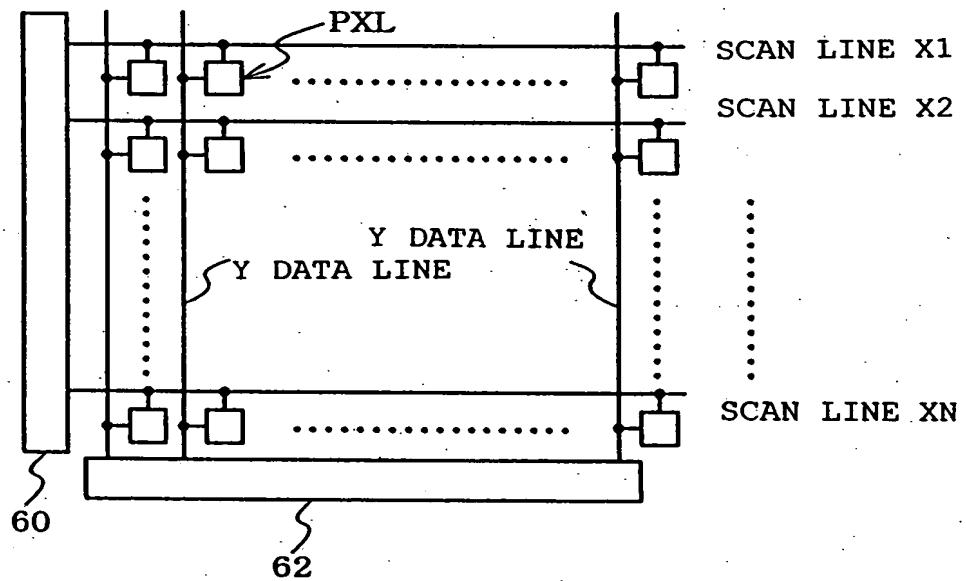


FIG. 4

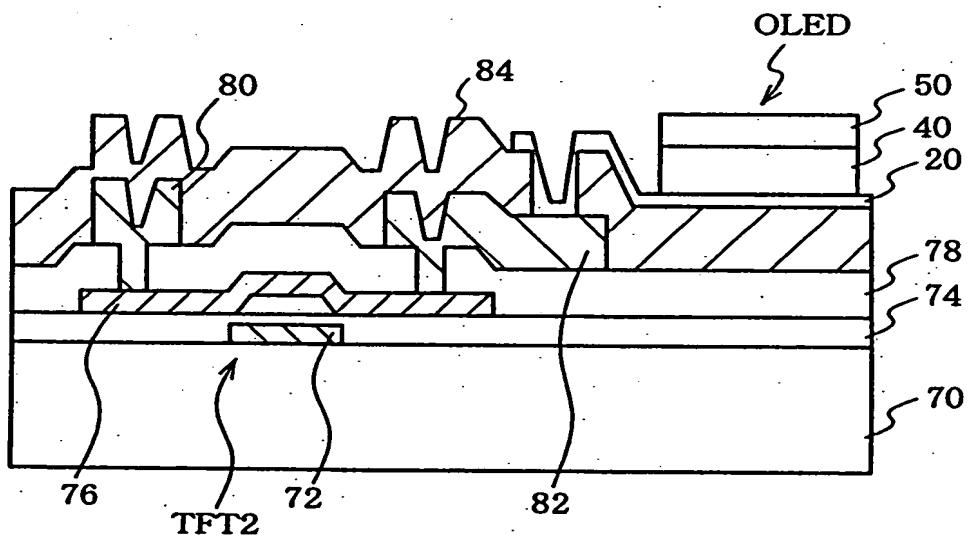


FIG. 5

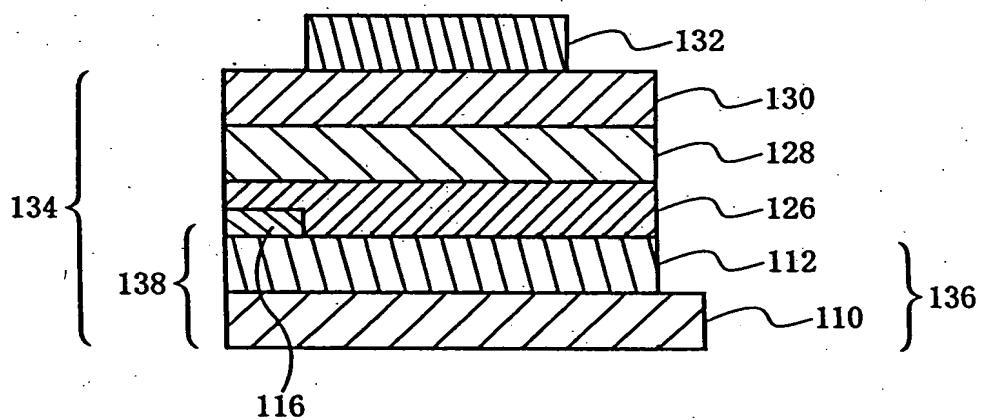
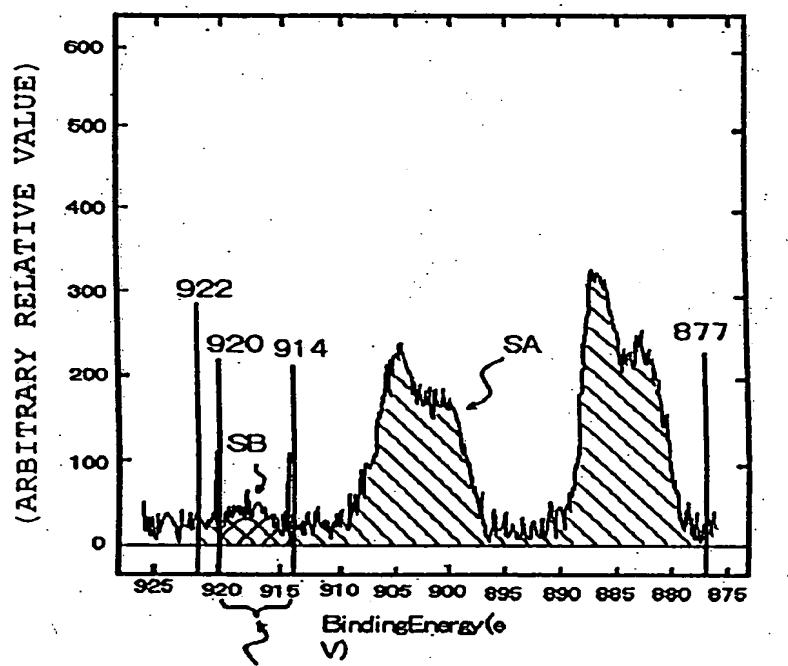


FIG. 6

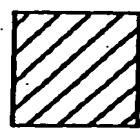
BINDING ENERGY SPECTRUM OF CERIUM 3d ORBIT



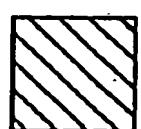
SPECTRUM ORIGINATED IN Ce^{4+} (SB)

SMALLER SB IS PREFERABLE

IN THIS GRAPH, $\text{SB}/\text{SA} < 0.13$



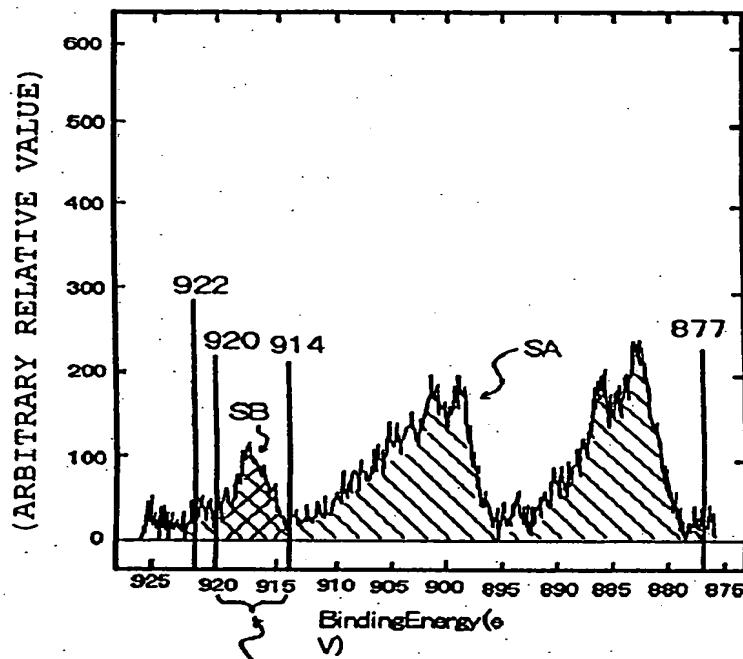
• • • SB



• • • SA

FIG. 7

BINDING ENERGY SPECTRUM OF CERIUM 3d ORBIT



SPECTRUM ORIGINATED IN Ce^{4+} (SB)

SMALLER SB IS PREFERABLE

IN THIS GRAPH, $\text{SB}/\text{SA} \geq 0.13$

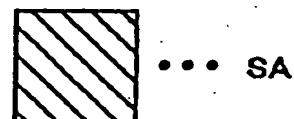
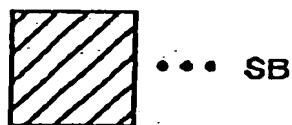


FIG. 8

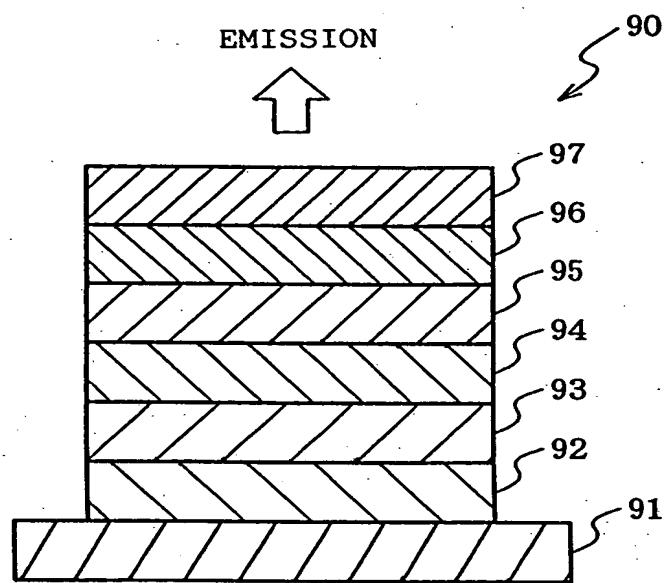


FIG. 9

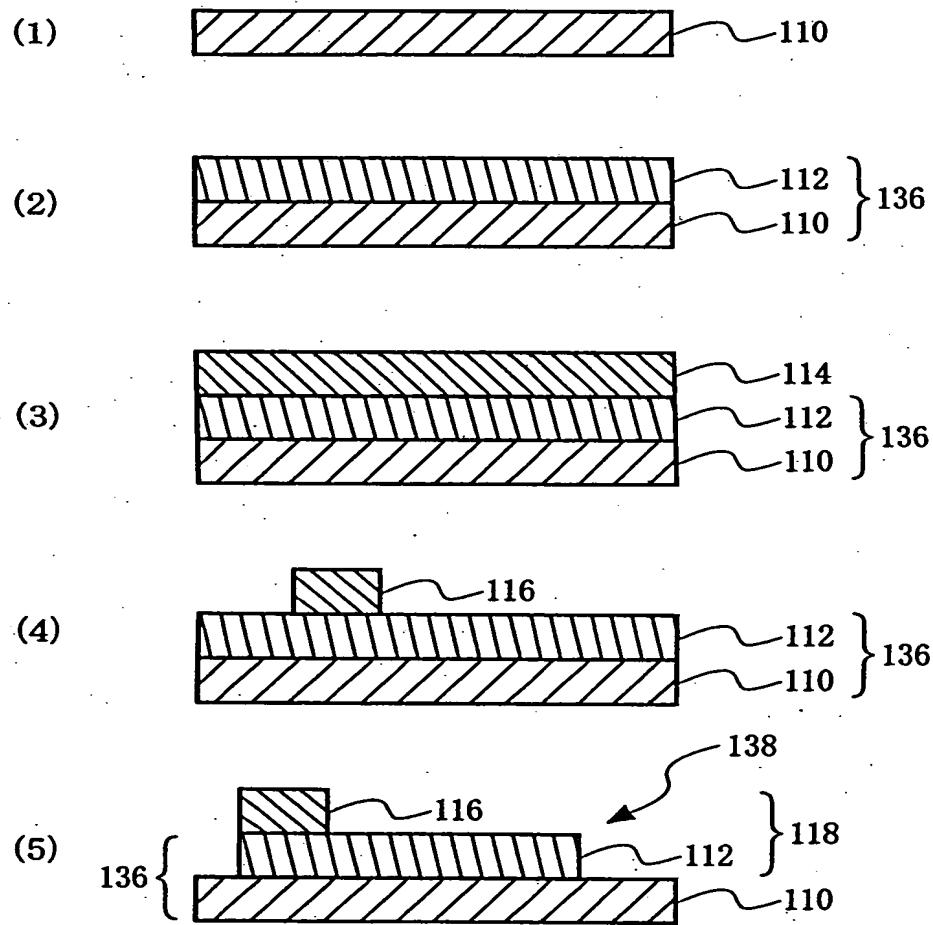
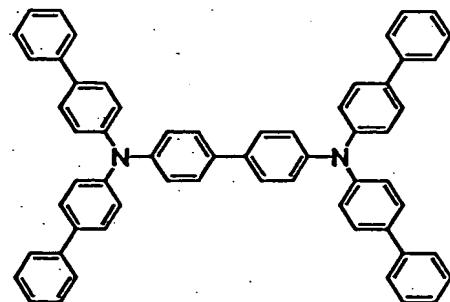
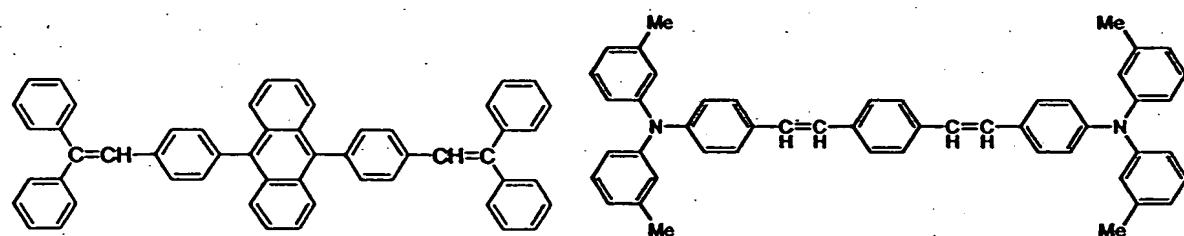


FIG. 10

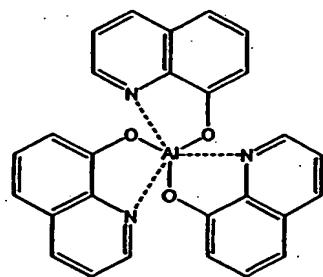


TBDB



DPVDPAN

D1



Alq